

IN THE CLAIMS

1. (Currently Amended) A data processing system comprising:

the first data processing apparatus having a setting means that sets the first copy ~~reproduction~~ control information showing the copy ~~reproduction~~ control state of data in a header of a data packet and the second copy ~~reproduction~~ control information showing the copy ~~reproduction~~ control state of said data set in greater detail than said first copy ~~reproduction~~ control information in a data portion of said data packet and an output means that outputs said first copy ~~reproduction~~ control information, said second copy ~~reproduction~~ control information and said data; and

the second data processing apparatus having an input means that inputs the first copy ~~reproduction~~ control information showing the copy ~~reproduction~~ control state of data in said header and the second copy ~~reproduction~~ control information showing the copy ~~reproduction~~ control state of said data set in greater detail than said first copy ~~reproduction~~ control information and said data and a controlling means of reproduction that determines the copy ~~reproduction~~ control state of said data based on said first copy ~~reproduction~~ control information and second copy ~~reproduction~~ control information inputted by said input means and controls the reproduction of said data according to the determination result.

2. (Currently Amended) The data processing system according to Claim 1, further comprising the third data processing apparatus having an input means that inputs the first copy ~~reproduction~~ control information showing the copy ~~reproduction~~ control state of data, the second copy ~~reproduction~~ control information defining the copy ~~reproduction~~ control state of said data in

greater detail than said first ~~copy reproduction~~ control data and said data, and a controlling means of reproduction that determines the ~~copy reproduction~~ control state of said data based only on said first ~~copy reproduction~~ control information among said first ~~copy reproduction~~ control information and said second ~~copy reproduction~~ control information inputted by said input means, and controls the reproduction of said data according to the determination result.

3. (Currently Amended) The data processing system according to Claim 1 wherein said setting means in said first data processing apparatus sets the first ~~copy reproduction~~ control information based on the detailed reproduction state of data constituting said second ~~copy reproduction~~ control information.

4. (Currently Amended) The data processing system according to Claim 1 wherein said output means in said first data processing apparatus stores said first ~~copy reproduction~~ control information in the header section of transmission signals, stores said second ~~copy reproduction~~ control information and said data in said header section of a transmission signal and thus creates transmission signals which will be then outputted.

5. (Currently Amended) The data processing system according to Claim 1 wherein said input means in said second data processing apparatus receives and stores ~~receives~~ said first ~~copy reproduction~~ control information stored in the header section of a transmission signal and said second ~~copy reproduction~~ control information and data stored in the data section of said

transmission signals and inputs said first copy reproduction-control information, said second copy reproduction control information and said data.

6. (Currently Amended) The data processing system according to Claim 1 wherein said copy reproduction control means in said second data processing apparatus renews the copy reproduction control state of reproducible data according to said determination result to control the reproduction of said data.

7. (Currently Amended) The data processing system according to Claim 2 wherein said input means in said third data processing apparatus receives said first copy reproduction control information stored in the header section of a transmission signal and said second copy reproduction control information and said data stored in the data section of said transmission signal and inputs said first copy reproduction control information and said second copy reproduction control information and said data.

8. (Currently Amended) The data processing system according to Claim 2 wherein said copy reproduction control means in said third data processing apparatus renews the copy reproduction control state of reproducible data according to said determination result to control the reproduction of said data.

9. (Currently Amended) A data processing apparatus according to Claim 1 wherein said first copy reproduction control information is information showing one of a plurality of copy reproduction

control states and said second copy reproduction control information is information showing one of a larger number of copy reproduction control states than the copy reproduction control states shown by said first copy reproduction control information, and each of the copy reproduction control states indicated by said second copy reproduction control information is linked with any one of the copy reproduction control states shown by said first copy reproduction control information.

10. (Currently Amended) A data processing method comprising the steps of:

creating the second copy reproduction control information defining more roughly the copy reproduction control state than said first copy reproduction control information based on the first copy reproduction control information defining the copy reproduction control state of data to be transmitted;

storing said second copy reproduction control information of said data in the packet header of said a data packet carrying said data and storing said first copy reproduction control information in said data portion of said data packet; and

transmitting simultaneously said first copy reproduction control information and second copy reproduction control information as well as said data.

11. (Currently Amended) The data processing method according to Claim 10 wherein said first copy reproduction control information is information showing one of a plurality of copy reproduction control states and said second copy reproduction control information is information showing one of a larger number of copy reproduction control states than the copy reproduction

control states shown by said first copy reproduction control information, and each of the copy reproduction control states indicated by said second copy reproduction control information is linked with one of the copy reproduction control states shown by said first copy reproduction control information.

12. (Currently Amended) A data processing apparatus comprising:

a setting means that sets the first copy reproduction control information showing the copy reproduction control state of data in a header of a data packet and the second copy reproduction control information showing said data set in greater detail than said first copy reproduction control information in a data portion of said data packet; and

an output means that outputs said first copy reproduction control information, said second copy reproduction control means and said data.

13. (Currently Amended) The data processing apparatus according to Claim 12 wherein said setting means sets said first copy reproduction control information of data of data based on said second copy reproduction control information constituting detailed copy reproduction control state of data.

14. (Currently Amended) The data processing apparatus according to Claim 12 wherein said output means stores said first copy reproduction control information in the header section of transmission signals and said second copy reproduction control information and said data in the data section of said transmission signals to create transmission signals and to output the same.

15. (Currently Amended) The data processing apparatus according to Claim 12 wherein said first copy reproduction control information is information showing one of a plurality of copy reproduction control states and said second copy reproduction control information is information showing one of a larger number of copy reproduction control states than the copy reproduction control states shown by said first copy reproduction control information, and each of the copy reproduction control states indicated by said second copy reproduction control information is linked with one of the copy reproduction control states shown by said first copy reproduction control information.

16. (Currently Amended) A data processing apparatus comprising:

an input means that inputs the first copy reproduction control information showing the copy reproduction control state of data, the second copy reproduction control information showing the copy reproduction control state of said data set in greater detail than said first copy reproduction control information and said data; and

a copy reproduction control means that determines the copy reproduction control state of said data based on said first copy reproduction control information and said second copy reproduction control information inputted by said input means and controls the reproduction of said data according to the determination result;

whereby the first copy control information is included in a header of a data packet and the second copy control information is included in a data portion of said data packet.

17. (Currently Amended) The data processing apparatus according to Claim 16 wherein said input means receives said first copy reproduction control information stored in the header section of transmission signals and said second copy reproduction control information and said data stored in the data section of said transmission signals and inputs said first copy reproduction control information and said second copy reproduction control information and said data.

18. (Currently Amended) The data processing apparatus according to Claim 16 wherein said copy reproduction control means renews the copy reproduction control state for reproducible data according to said determination result and controls the reproduction of said data.

19. (Currently Amended) The data processing apparatus according to Claim 16 wherein said first copy reproduction control information is information showing one of a plurality of copy reproduction control states and said second copy reproduction control information is information showing one of a larger number of copy reproduction control states than the copy reproduction control states shown by said first copy reproduction control information, and each of the copy reproduction control states indicated by said second copy reproduction control information is linked with one of the copy reproduction control states shown by said first copy reproduction control information.

20. (Currently Amended) A data processing apparatus comprising:

an input means that inputs the first copy reproduction control information showing the copy reproduction control state of data, the second copy reproduction control information defining

the copy reproduction control state of said data in greater detail than said first copy reproduction control information and said data; and

a copy reproduction control means that determines the copy reproduction control state of said data based only on said first copy reproduction control information among said first copy reproduction control information and said second copy reproduction control information inputted by said input means and controls and controls the reproduction of said data according to the determination result;

whereby the first copy control information is included in a header of a data packet and the second copy control information is included in a data portion of said data packet.

21. (Currently Amended) The data processing apparatus according to Claim 20 wherein said input means receives said first copy reproduction control information stored in the header section of transmission signals and said second copy reproduction control information and said data stored in the data section of said transmission signals and inputs said first copy reproduction control information and said second copy reproduction control information and said data.

22. (Currently Amended) The data processing apparatus according to Claim 20 wherein said copy reproduction control means renews the copy reproduction control states for reproducible data according to said determination result and controls the reproduction of said data.

23. (Currently Amended) The data processing apparatus according to Claim 20 wherein said first copy reproduction control information is information showing one of a plurality of copy



~~reproduction~~ control states and said second copy reproduction control information is information showing one of a larger number of copy reproduction control states than the copy reproduction control states shown by said first copy reproduction control information, and each of the copy reproduction control states indicated by said second copy reproduction control information is linked with one of the copy reproduction control states shown by said first copy reproduction control information.

24. (Currently Amended) Information signal processed by a data processing apparatus that records data, said information signal comprising:

the first copy reproduction control information showing the copy reproduction control state of data;

the second copy reproduction control information showing the copy reproduction control state of said data set in greater detail than said first copy reproduction control information; and

said data proper;

whereby the first copy control information is included in a header of a data packet and the second copy control information is included in a data portion of said data packet.